

# Amphibia, Anura, Hylidae, *Dendropsophus rubicundulus* (Reinhardt and Lütken, 1862): Distribution extension in northeastern Brazil

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**ABSTRACT:** The geographic distribution of *Dendropsophus rubicundulus* includes Bolivia, Brazil (southeastern, central-west, northeastern and northern regions) and Paraguay. We report the second record of *D. rubicundulus* in Ceará state, increasing the distribution range of the species in northeastern Brazil.

The geographic distribution of *Dendropsophus rubicundulus* comprises Bolivia, Brazil and Paraguay (Frost 2010). In Brazil, the species is widely distributed with records for the southeastern region (states of Minas Gerais and São Paulo) (e.g. Cardoso and Vielliard 1985; Bernarde and Kokubum 1999; Napoli and Caramaschi 1999; Pugliese *et al.* 2001; Silveira 2006), central-west region (states of Goiás, Mato Grosso and Mato Grosso do Sul) (e.g. Napoli and Caramaschi 1999; Uetanabaro *et al.* 2007; Silva Jr. *et al.* 2009), northeastern region (states of Bahia, Ceará and Piauí) (Napoli and Caramaschi 1999; Annunziata *et al.* 2007; Valdujo *et al.* 2009; Loebmann *et al.* 2010; Loebmann and Haddad 2010) and northern region (states of Tocantins and Pará) (Brasileiro *et al.* 2008; Frost 2010).

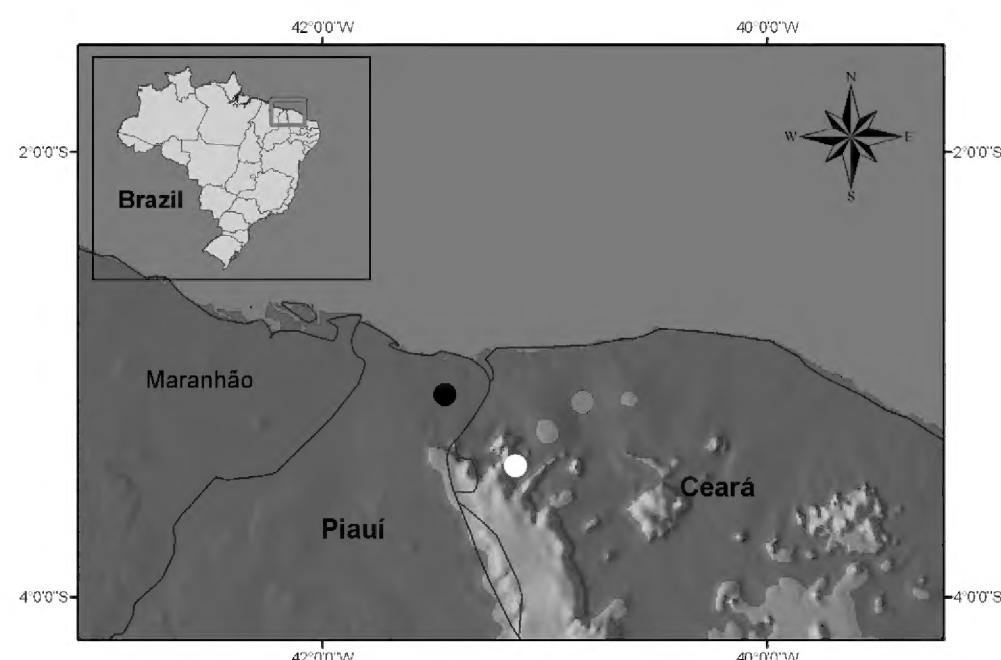
During field work in May, 2010 in the municipality of Granja, state of Ceará (03°07'22" S, 40°50'03" W), individuals of *D. rubicundulus* were found calling under the marginal vegetation of ponds (Figure 1). The locality presents transitional vegetation between the Cerrado and Caatinga Domains with artificial permanent ponds and temporary ponds during the rainy season that extends from

February to June. At the same pond the following species were calling: *Dendropsophus nanus* (Boulenger, 1889), *Hypsiboas raniceps* Cope, 1862, *Phyllomedusa nordestina* Caramaschi, 2006, and *Leptodactylus macrosternum* Miranda-Ribeiro, 1926.

Collected specimens were deposited in the Amphibian Collection of the Universidade Federal do Rio de Janeiro (ZUF RJ 12194-12195). The collection permit for zoological material was provided by Instituto Chico Mendes (ICMBio) – Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis (IBAMA) (Proc. number 12164-2). This is the second record of *Dendropsophus rubicundulus* for the state of Ceará, extending the distribution about 45 km north-eastward in a straight line from the municipality of Viçosa do Ceará (03°24'32" S; 41°08'07" W) (Loebmann and Haddad 2010) and about 69 km eastward in a straight line from the municipality of Cajueiro da Praia (03°05'20" S; 41°27'08" W), state of Piauí (Loebmann *et al.* 2010) (Figure 2).



**FIGURE 1.** Adult male of *Dendropsophus rubicundulus* from the municipality of Granja, Ceará state, Brazil. Photo: J. B. Vieira.



**FIGURE 2.** Geographical distribution map of the new record of *Dendropsophus rubicundulus* in northeastern Brazil, in the municipality of Granja, Ceará state (red dot) and its northeastern limits, municipality of Cajueiro da Praia, Piauí state (black dot) and municipality of Viçosa do Ceará, Ceará state (white dot).

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